

Appl. No. 09/688,375
Amdt. Dated 09/08/05
Reply to Notice of Allowance mailed June 24, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A conditional access (CA) system comprising:
a computing resource implemented within a host, the computing resource configured to run a second conditional access (CA) protocol instead of a first CA protocol used for communication with a device operating as a smart card;
a smart card interface being an interface for the host, the smart card interface adapted to receive and transfer signaling with the smart card; and
a software wrapper implemented within the host, the software wrapper to transform information in a format compatible with the first CA protocol, the information comprising control information including entitlement management mode (EMM) messages, entitlement control messages and service information, into information in a format compatible with the second CA protocol, the second CA protocol operating to alter signaling from the smart card and received by the smart card interface as if a Personal Computer Memory Card International Association (PCMCIA) card provided such signaling.
2. (Previously Presented) The CA system of claim 1, wherein the second CA protocol is OpenCable™ Host Point Of Deployment Interface Specification (POD).
3. (Previously Presented) The CA system of claim 1, wherein the second CA protocol is selected from the group consisting of National Renewable Security Standard Part B (NRSS-B), OpenCable™ Host Point Of Deployment Interface Specification (POD), Common Interface Specification for Conditional Access and other Digital Video Broadcasting Decoder Applications (CI), and Conditional Access System for Terrestrial Broadcast (ATSC-A70).
4. (Original) The CA system of claim 1, wherein the software wrapper is configured to run on the computing resource.
5. (Currently Amended) A smart card interface comprising:

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a smart card receptacle adapted for physically coupling to a smart card, the smart card receptacle to communicate smart card signals;

a Personal Computer Memory Card International Association (PCMCIA) Application Programming Interface (API); and

a software wrapper interfacing the smart card signals and the PCMCIA API, the software wrapper configured to transform information in a format compatible with the first CA protocol into information in a format compatible with a second CA protocol in order to alter signaling from the smart card and received by the smart card receptacle as if a Personal Computer Memory Card International Association (PCMCIA) card provided such signaling, the transformation includes demultiplexing entitlement mode (EMM) messages, entitlement control messages or service information.

6. (Previously Presented) The smart card interface of claim 5, where the PCMCIA API is a conditional access (CA) API.

7. (Original) The smart card interface of claim 6, where the smart card signals are received from an ISO 7816 smart card.

8.-16. (Cancelled).

17. (Previously Presented) A conditional access (CA) system comprising:
a first computing resource implemented within a host, the computing resource configured to execute a NRSS-B protocol;

an ISO 7816 smart card interface being an interface for the host, the ISO 7816 smart card interface adapted to communicate with a smart card physically coupled to the host; and

a software wrapper implemented within the host, the software wrapper configured to execute on a second computing resource implemented within the host to couple the ISO 7816 smart card interface to the NRSS-B protocol by alter signaling from the smart card and received by the smart card interface as if a Personal Computer Memory Card International Association (PCMCIA) card provided such signaling.

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18. (Previously Presented) The system of claim 17 wherein the first computing resource and the second computing resource are a single microprocessor.

19.-24. (Cancelled).